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FIG. 1

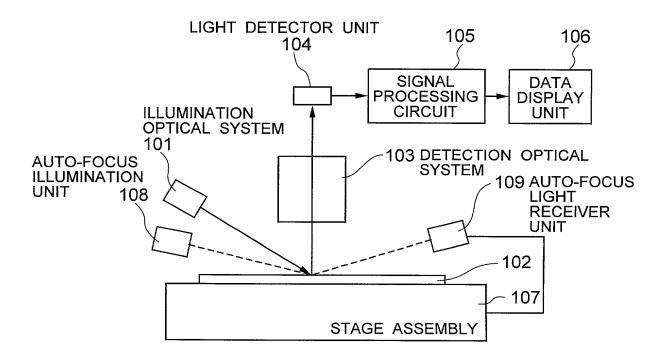
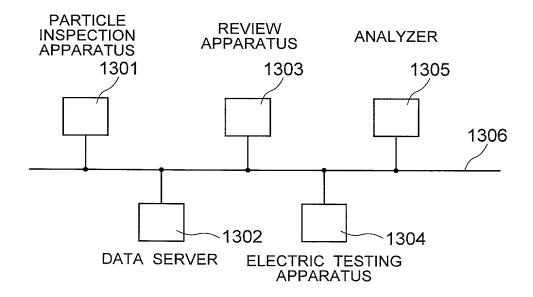


FIG. 2



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FIG. 3A

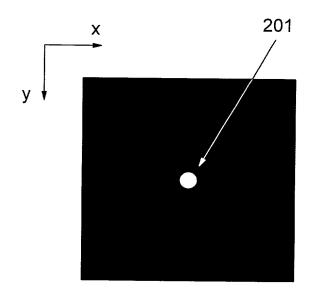
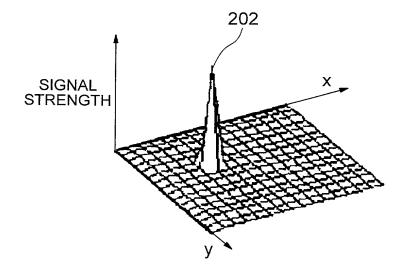
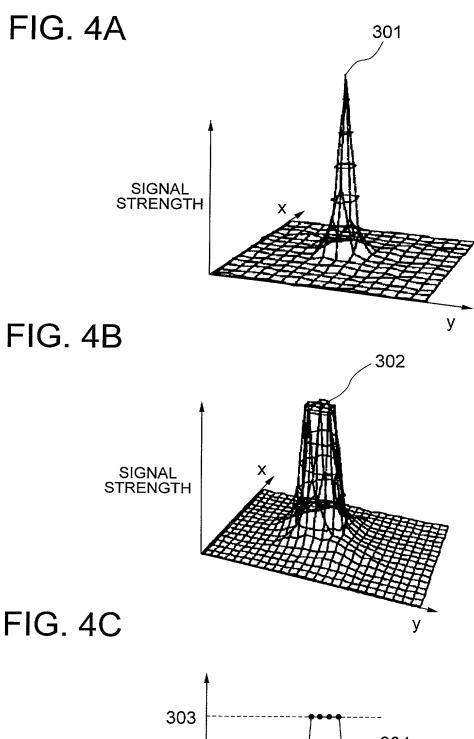


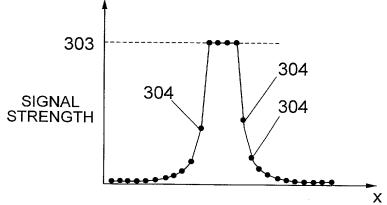
FIG. 3B



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FIG. 5A

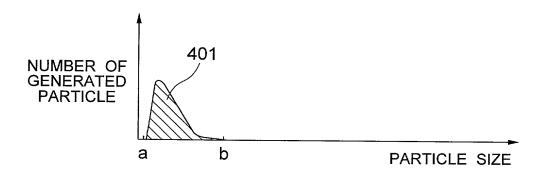


FIG. 5B

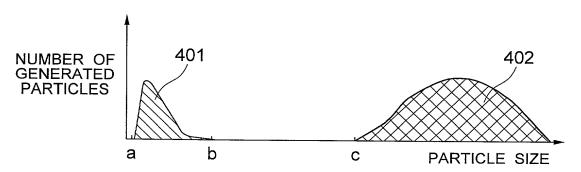
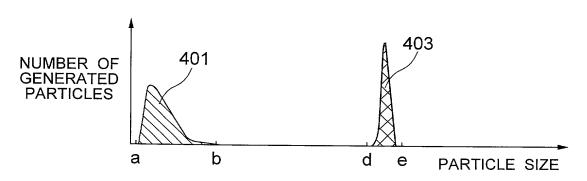


FIG. 5C



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FIG. 6

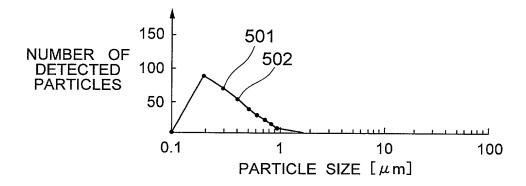
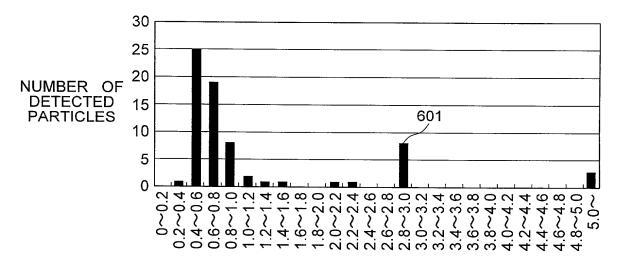


FIG.7



PARTICLE SIZE [μ m]

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FIG. 8A

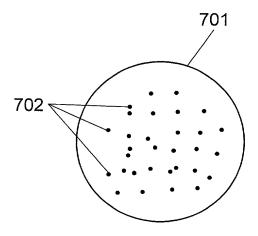
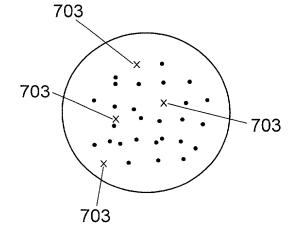


FIG. 8B



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FIG. 9A

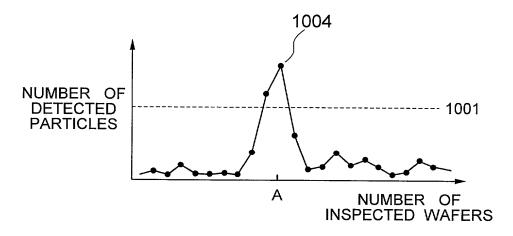


FIG. 9B

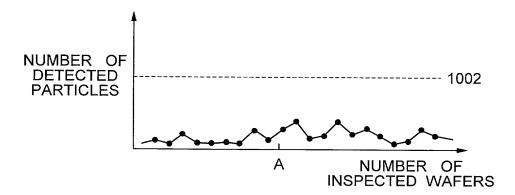
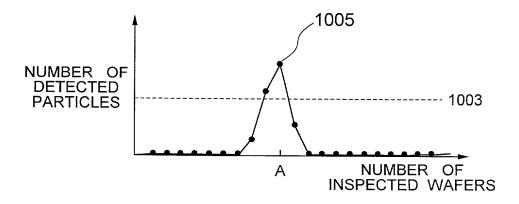


FIG. 9C



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FIG. 10

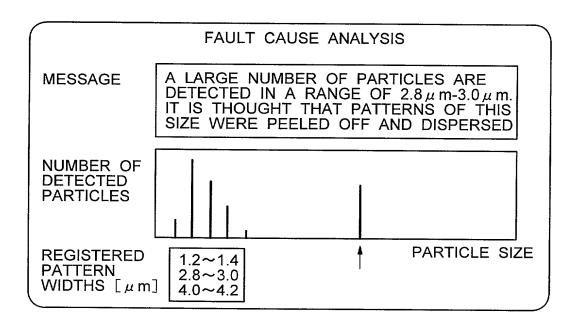


FIG. 11

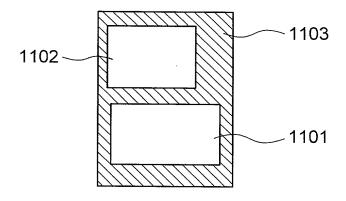


FIG. 12A

FIG. 12B

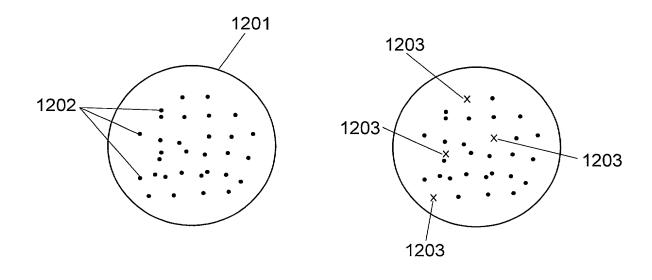
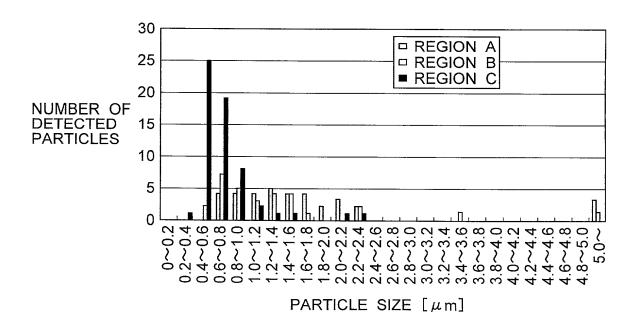
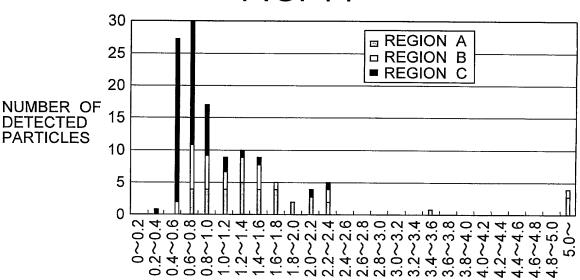


FIG. 13



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PARTICLE SIZE [µm]

FIG. 15

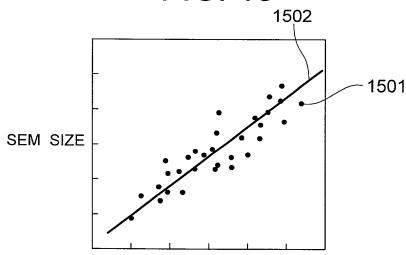
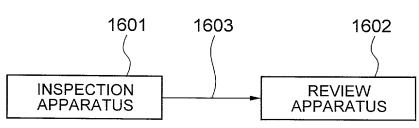


FIG. 16

MAXIMUM SIGNAL STRENGTH VALUE



COORDINATES, PARTICLE SIZES, REVIEW SCALING FACTOR

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FIG. 17A

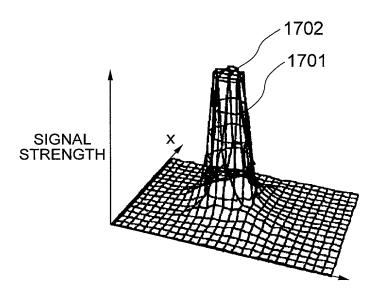


FIG. 17B

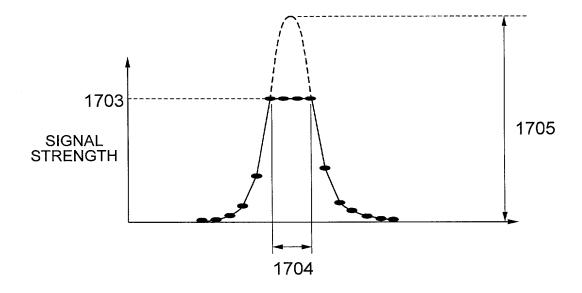
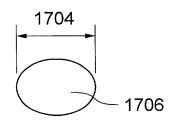


FIG. 17C



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FIG. 18A

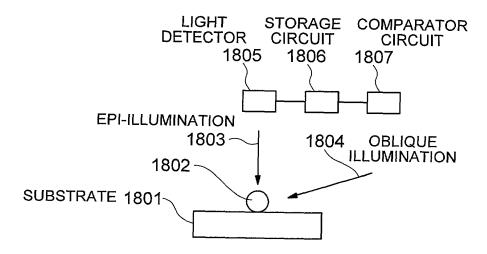
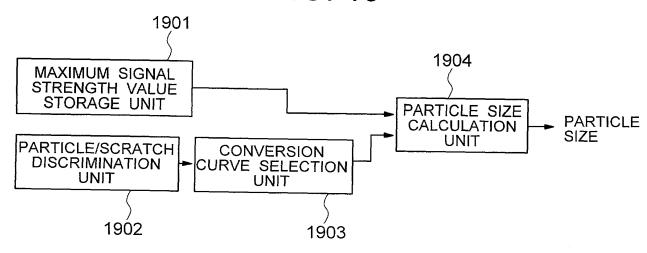


FIG. 18B

	DIFFERENECE IN SCATTERED LIGHT DEPENDING ON ILLUMINATING DIRECTION		SCATTERED LIGHT
	EPI- ILLUMINATION	OBLIQUE ILLUMINATION	AMOUNT RATIO (EPI/OBLIQUE)
PARTICLES	AMOUNT OF SCATTERED LIGHT:LARGE	AMOUNT OF SCATTERED LIGHT:LARGE	SMALL
SCRATCHES	AMOUNT OF SCATTERED LIGHT:LARGE	AMOUNT OF SCATTERED LIGHT:SMALL	LARGE

FIG. 19



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FIG. 20

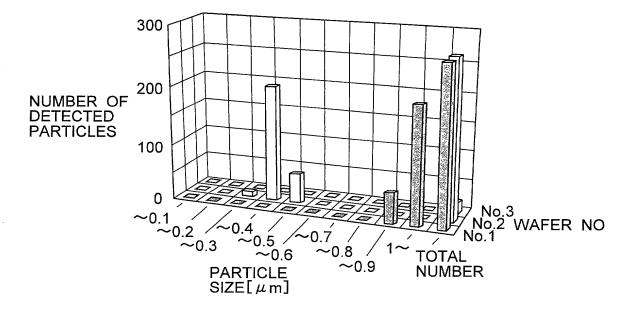
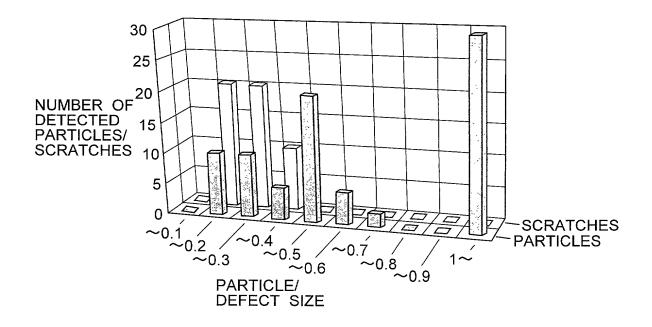


FIG. 21



Robert C. Colwell, Reg. No. 27,431 (650) 326-2400

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FIG. 22

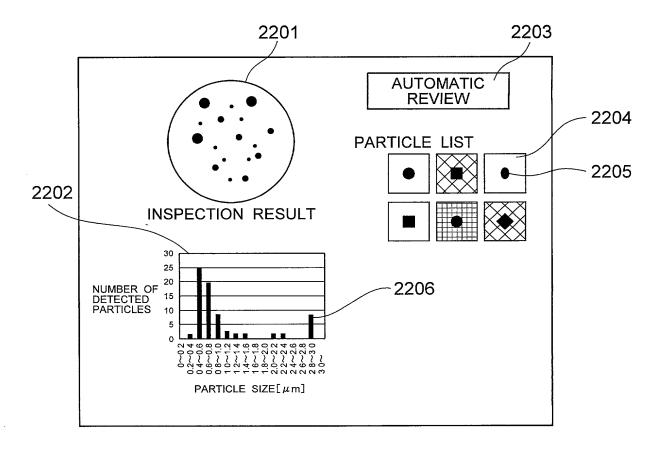
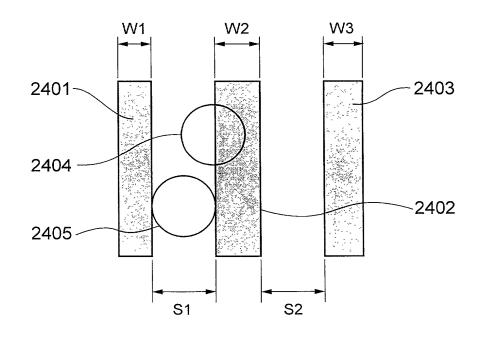


FIG. 23



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FIG. 24

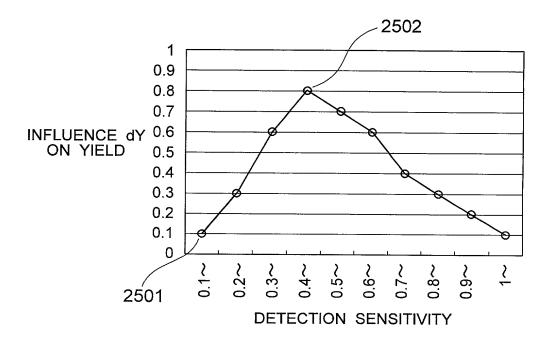
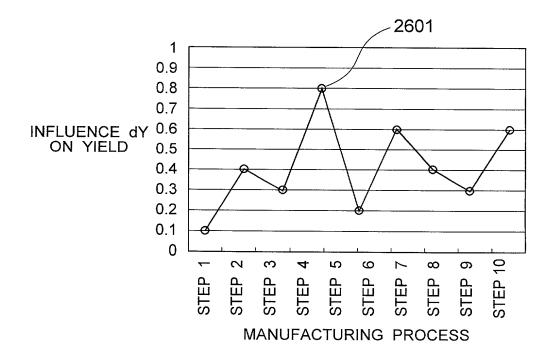


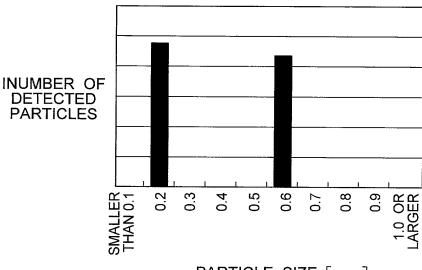
FIG. 25



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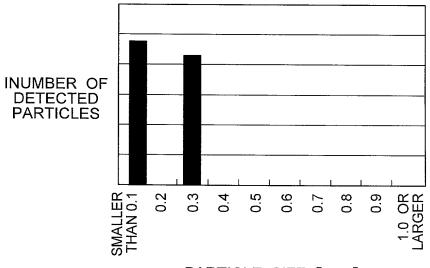
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FIG. 26



PARTICLE SIZE [μ m]

FIG. 27



PARTICLE SIZE [μ m]

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FIG. 28

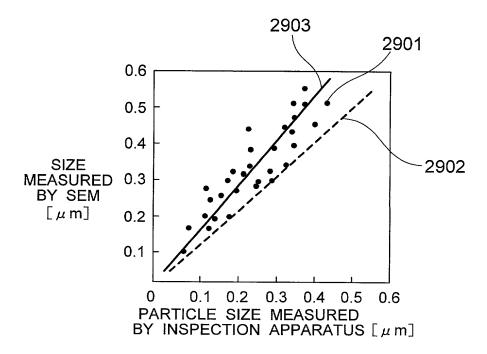
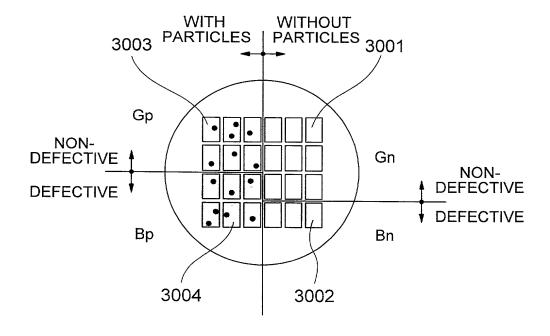


FIG. 29



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FIG. 30A

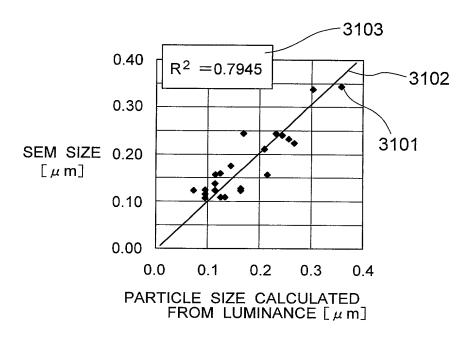
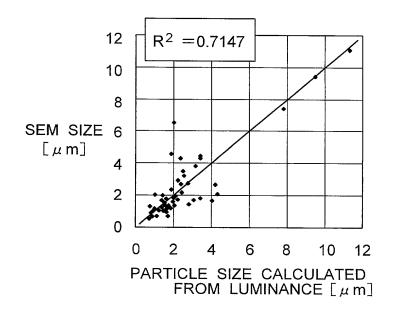


FIG. 30B



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FIG. 31

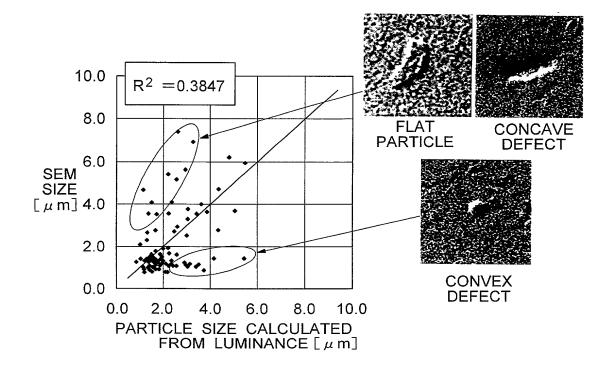
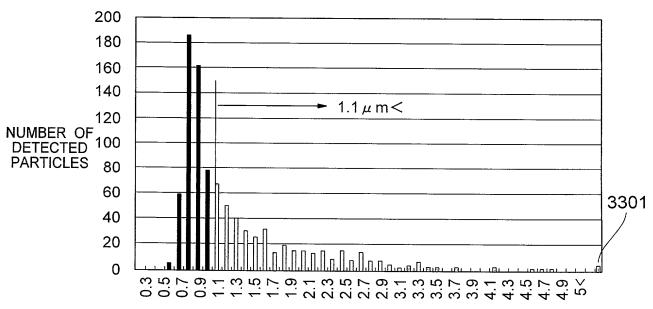


FIG. 32



PARTICLE SIZE CALCULATED FROM LUMINANCE [μ m]

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FIG. 33A

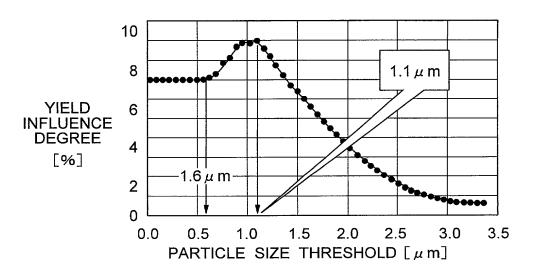


FIG. 33B

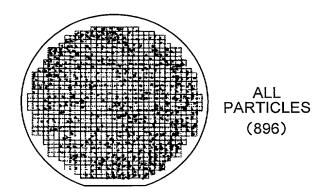
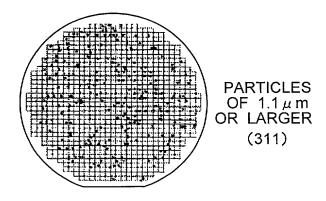


FIG. 33C



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FIG. 34

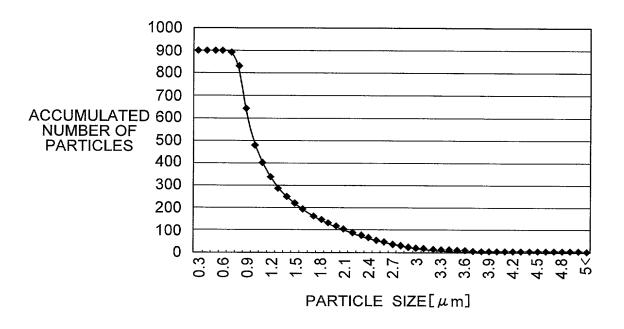


FIG. 35

